



ORANGE COUNTY AMATEUR RADIO CLUB

VOL XIV NO. 3

P.O. BOX 95, ORANGE, CALIF. 92668

MARCH 1973



..FOR THE BENEFIT OF THOSE WHO HAVEN'T CRACKED A BOOK
IN A WHILE, WE'LL REVIEW SOME OF THE BASICS.....

Art Krause, WA4GXZ, in The Atlanta (Ga.) Ham

1973 CLUB OFFICERS

PRESIDENT	BOB ECKWEILER	WB6QNU	639-5074
V. PRES.	KEN KONECKY	W6HHC	541-6249
SECRETARY	JACK BRIGGS	WB6YMV	544-3665
TREASURER	TED GLICK	K6LJA	542-1390
ACTIVITY	ERNIE FUERTE	WA6GXV	839-7107
TVI	DAVE HOLLANDER	W6COJ	541-9133
MEMBERSHIP	BILL ROBINSON	WB6WOO	542-7958
PUBLIC REL	JACK SHAW	W6YWN	633-8742
M.A.L.	RON CADE	WA6FIT	897-8059
	KEI YAMACHIKA	W6NGO	538-8942

EDITOR	DON KLOS	W6OOH	832-9682
--------	----------	-------	----------

OCARC ACTIVITIES

MEETING 3rd Friday of each month, 7:30 PM at;
Mercury Savings and Loan
1095 Irvine Blvd (4th Avenue)
Tustin, Calif.

GUESTS ARE ALWAYS WELCOME

BREAKFAST 1st Saturday of each month, 8:30 AM at;
Mannys Restaurant
17th Street at the Newport Freeway
Santa Ana, Calif.

MEETS IN BACK OF ROOM

15M NET Club station W6ZE meets every Thursday
at 8:00 PM on 21.375 MHz. All amateurs
are welcome to check in. Club and ARRL
bulletins read.

CALLBOOK SERVICE

The club has copies of the latest callbooks which are available at each meeting. Also, you can contact Ernie, WA6GXV on Tuesday and Thursday Evenings between 7:00 PM and 9:00 PM if you need addresses. If you have more than one call for Ernie to check, he'll get them all and call you back that same night.

THE PREZ SEZ....

I'm sorry I was unable to attend the February club meeting. My thanks to Ken, W6HHC for doing his usual excellent job.

My trip to Ames Research center concerned a new series of the DC-9 twin jetliner with new quieter and smokeless engines. Yes, the ecology movement is here and even big business is quite involved. If ham radio is to expand without increased bands then we must do some conserving ourselves. Do you transmit only as required without causing undo interference intentionally? The answer to this by many hams, from what I hear on the bands, is no!

Willful interference is everywhere. On the FM channels, touch-tone tunes and childish smurks and interference can be heard. On the lower bands things get even worse. DXers call in the middle of the higher frequencies when phone patches are being run and many phone patchers operate right at the lower band edge where some DX station and many DXers are trying to indulge their pleasure. I'm against any set of rules where to operate phone patches, work DX, ragchew, etc. in the band, but individual hams can be very inconsiderate. If you are a Dxer check your frequency before transmitting. If you are operating split, you cannot hear what's going on on your frequency unless you check it. It could prevent you from getting a rare one. If operating patches, try to keep away from DX frequencies. Remember; a phone patch involves only a few people while a DX pileup can involve hundreds. The DX station usually says where he is listening so the DXers won't be calling far from that frequency if they're expecting an answer.

Ragchewing is probably the basis for most hams enjoyment. Most DXers and phone patchers spend a lot of time doing it. When ragchewing, it is sometimes profitable to give way to others. It is easier to change frequency than to fight another QSO, DX pileup or phone patch. The solution to conservation of the ham bands can be summed up in just a few words: RESPECT THE OTHER GUY. If there are two QSOs interfering on one frequency then don't be afraid to be the first to move. 'I was here first' is no attitude to take especially when the skip changes as fast as it does. If anyone listens to the 27MHz boys for a few minutes then they know how the ham bands might sound one day.

LET'S ALL PREVENT IT!

'QNU

DUES ARE DUE!

If you forgot to see Ted, K6LJA at the last meeting, please stop by with your \$6 at the next meeting.

OCARC BOARD MEETING MINUTES 13 FEBRUARY 1973.

The Board met at Kei Yamachika's residence. Officers absent were Bob Eckweiler Pres. and Bill Robinson Membership.

V. Pres. Ken Konecky called the meeting to order at 810p.

Discussion and action items were:

1. Raffle prize at the end of the year- The membership consensus at the January meeting was to hold the raffle. The selected prize is the Heathkit HW-202 Two Meter Transceiver Kit or alternatively a gift certificate in the amount of equivalent cost to the club for the kit.

2. Gavel Snatch- The OC Council of Amateur Radio Clubs has drawn up a complex set of rules for the Gavel Snatch ploy. It was concluded that we may be gavel snatched.

3. Savings account transfer- The transfer was approved by the membership at the November meeting. Treas Ted Glick will transfer the account to Mercury Savings and Loan Association February 16.

4. Callbook purchase- Activety Chairman Ernie Fuerte will pickup one domestic and one DX Callbook in the week February 16. Callbook references are available from Ernie by phone call Tues. and Thurs. between 7 and 9 PM- also on 3.75 MHz on Thurs. 7 to 8P.

5. Generator Set- All is not lost-- Ken Konecky will inquire whether we can repair and use the generator Bill Hall has stored at Kei's place.

6. Other topics--

a) Ken will get Bob Evans to gather material for a recap of OCARC history.

b) Membership meeting topics were discussed-

-shack snapshots; -Two meter FAX

c) Ernie Fuerte reviewed potential activeties to stir youngster and other interest in Ham radio--

- members bring teenager, and/or Novice guests to meetings

- members bring spare Handbooks etc. for gift to visiting youngsters, Novices.

- How about $\frac{1}{2}$ price membership dues for youngsters?

d) Dave Hollander reported WB6UDC TVI problem done with.
Meeting adjourned. J. Briggs, Secretary.

MINUTES OCARC MEMBERSHIP MEETING FEBRUARY 16, 1973

V. Pres. Ken Konecky W6HHC called the meeting to order at 7:45P in place of Pres. Bob Eckweiler WB6QNU who was the only absent club officer.

Ken then:

Introduced Lon, WA6QOZ who announced the annual Anaheim Club auction to be held Friday March 2 at the Northrup Recreation Building, Fullerton.

Announced the OCARC '73 raffle prize to be a Heathkit HW-202 Two Meter Transceiver kit or alternatively a gift certificate of an amount equivalent to the kit cost to the Club.

Introduced the two part program in which:

Orange County SCM Bill Weise W6CPB reported Southwestern Division Board Meeting actions;

Orange County SEC Steve Phillips W6TVA who gave a comprehensive presentation of ARPSC, its organization, traffic operations, and how to participate in or use the communication services of the Amateur Radio Public Service Corps.

After the program, Ken introduced nine visitors and reported that the club now has a domestic and foreign Callbook which will be available for reference at club meetings. Also, Ernie Fuerte, WA6GXV will answer reference requests by phone Tuesday and Thursday 7PM to 9PM; on the air 7-8 PM Thursday.

Ted Glick, K6LJA, Treasurer reported the following balances:

\$172.21 checking account

\$429.25 savings account

\$ 42.28 petty cash account.

Bill Robinson, WB6W00 announced a General Theory Class he is presenting 730-930P Tuesdays in Westminster.

Meeting adjourned 1005p

J. Briggs, WB6YMV Secretary.

The following group met at Mannys for breakfast on March 3rd

WA6BPX and family, WA6LHB and family, W6NGO, WB6QNU, WB6BYZ, WB6PEX, and WA6SFK.

Will we see you there next month?

DX COLUMN

Over the past few months some techniques of QSLing have been discussed in this column. This month I'd like to mention ways of supplying return postage to DX stations. Remember they often work hundreds of stations a month... most wanting QSLs...so without some help your QSL will come through the bureau if you receive one at all.

There are three common ways to send some financial help for the return postage along with your QSL.

1. Greenbacks. (U.S. of course) Expensive, but usually successful. Unfortunately money can be very easily 'lost' in the mail.
2. IRCs This method is most commonly used. International Reply Coupons can be used in most countries for postage. One IRC is required for first class return postage while two to seven may be required for airmail return depending on the country. IRCs, like money, can be stolen in the mails. In many small countries, especially Africa, a ham receiving many IRCs may be limited to the number he can exchange in a week. And that postoffice could be many miles away from that QTH. In these cases IRCs are not often effective. The cost of an IRC is presently 22¢ in the United States.
3. Stamps If you send the DX station a self addressed envelope with an airmail stamp from his country on it your chance for a quick QSL return is very good. Stamps for foreign countries can be purchased in the U.S. for a fraction of the cost of the IRCs required. An airmail stamp to Hong Kong (VS6) costs 60¢ but the five IRCs required for airmail would cost \$1.10. The stamps are also easy on the DX station-he drops in his QSL and mails it.

The place I get my stamps is through DX Stamp Service via W2AZX. He took over the W2SAX stamp operation about a year ago and maintains a 48-hour turnaround. Write him for his price list and some useful tips on using stamps for QSLing. I'll try to have a few of his brochures at the next meeting.

'QNU

GET YOUR RAFFLE TICKETS
NOW!!!

THE O.C.A.R.C. 2ND ANNUAL

DECEMBER RAFFLE

* * * * *

HEATHKIT HW-202 2-MTR FM TRNCVR
(or \$150 CASH)



HW-202 SPECIFICATIONS - RECEIVER - Sensitivity: 12 dB SINAD* (or 15 dB of quieting) at .5 μ v or less. Squelch threshold: 3 μ v or less. Audio output: 2 W at less than 10% total harmonic distortion (THD). Operating frequency stability: Better than $\pm 0.015\%$. Range regulation: Greater than 95 db. Spurious rejection: Greater than 1:10. IF rejection: Greater than 75 dB. First IF frequency: 10.7 MHz ± 2 kHz. Second IF frequency: 455 kHz (adjustable). Receiver bandwidth: 21 kHz nominal. Deemphasis: ± 6 dB per octave from 300 to 3000 Hz nominal. Modulation detectors: TS and π -network. TRANSMITTER - Power output: 10 watts minimum. Spurious output: Better than -45 dB. Driver efficiency: Better than $\pm 0.015\%$. Oscillator frequency: 0.1 MHz, approximate. Multiplier factor: X 24. Modulation: FM, ± 10 kHz ± 0.75 kHz, with instantaneous 100% duty cycle. 100% duty cycle VSWR: High VSWR shutdown time. GENIUS - Speaker impedance: 4 ohms. Operating frequency range: 143.0 to 148.3 MHz. Current consumption: Receiver (no speech): Less than 200 mA. Transmitter: Less than 1.2 amperes. Operating temperature range: -10° to 125° F (-30° to 50° C). Operating voltage range: 12.6 to 16.2 VDC (14.8 VDC nominal). Dimensions: 2 1/4" H x 8 1/4" W x 9 1/4" D.
*SINAD = Signal + noise + distortion
Noise + distortion

PRIZE: HEATHKIT HW-202 or \$150 CASH

TICKETS: \$1.00 EACH (FULL OCARC MEMBERS RECEIVE ONE FREE WITH EACH PURCHASE)

DRAWING: TO BE HELD AT THE DECEMBER CHRISTMAS PARTY
(YOU DON'T HAVE TO BE PRESENT TO WIN)

A PROBLEM OR NOT!

After careful design of that solid state QRP rig, the need for a 17 ohm resistor crops up. Investigation reveals that the junk box contains hundreds of 27 ohm resistors. How many 27 ohm resistors do you need to give you 17 ohms and how are they connected? (Assume no tolerance and figure the minimum required).

answer in another issue

MARCH PROGRAM

THE FREQUENCY SPECTRUM

This month we are privileged to have Luther Monell, W6QCV give a talk on the ELECTRO-MAGNETIC FREQUENCY SPECTRUM. Mr. Monell is a retiree of Norht American Rockwell. It was while he was working there as a Senior Electronic Design Engineer that he developed the very popular frequency spectrum chart. He is presently under government contract to expand this chart in the region from infrared to gamma rays

This should be a very interesting presentation.....

DON'T MISS IT!!!!

ORANGE COUNTY AMATEUR RADIO CLUB
P.O. BOX 95
ORANGE, CALIFORNIA 92669

VOLUMN XIV NO. 3 MARCH 1973

FIRST CLASS.....

DATED MATERIAL.....